

INFRARED (IR) FLYOVER PROJECT – 2022

REVISED FINAL SUMMARY REPORT

February 13, 2023

REPA 6, Zone 2 – Region 6
Contract Number 68HERH19D0021
Task Order Number 68HE622F0011

Prepared for:

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REVISED FINAL SUMMARY REPORT

Toeroek Associates, Inc. (Toeroek) has incorporated EPA's comments on the Draft Summary Report dated September 15, 2022, and the Final Summary Report dated September 29, 2022, into this revised report. [REDACTED]

- [illegible]

- EPA identified four additional facilities that had duplicate entries in EPA’s facility spreadsheet.
- After delivery of the Final Summary Report, EPA discovered that the facility represented by the line items for Facility 227 and Facility 514 is two distinct facilities operated by different entities. In the facility spreadsheet, EPA added two facilities to capture the survey and emission data related to these facilities/operators.
- Toeroek revised its **Master Facility List Spreadsheet**:
 - Added time stamps for each video taken of emissions.
 - Added columns to facilitate the identification of unique facilities.
 - Removed leak designation for 11 facilities [REDACTED].

Methodology

Region 6 provided Toeroek with an Excel spreadsheet [REDACTED] (EPA’s facility spreadsheet). The spreadsheet includes each facility’s location (latitude, longitude, county, and state), the name of the company reportedly operating the facility, [REDACTED] facility identification (ID) number. [REDACTED] EPA instructed Toeroek to survey as many facilities as possible within the flight hours budget (152 hours) [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

As Table 1 reflects, all facilities identified as [REDACTED] were surveyed while [REDACTED] were surveyed.

EPA instructed Toeroek to re-survey facilities with emissions observed during the initial flyover. Data on emissions is summarized in Section 3.0 and in appendices to this report.

Toeroek subcontracted with ChampionX Emissions Technologies Group (ChampionX) to perform the aerial survey. ChampionX uses an Optical Gas Imaging (OGI) camera carried on a helicopter flown at low altitudes to identify sources of hydrocarbon emissions. ChampionX surveyed tanks and flares for leaks and emissions. These emissions were captured on video and the geo-location of each facility and emission source were recorded in daily reports that were provided to Region 6 during the flyover period of performance. Video files and photographs of emissions can be viewed on ChampionX's ShareFile site (ShareFile site).

The following appendices to this report consolidate the aerial survey data and summarize the emission sources identified in the Permian Basin. Their contents are described below.

Appendix A – Figures: Maps that show the locations of the emission sources identified by the aerial survey [REDACTED] **Appendix A** contains three sets of maps: the first set depicts the locations of all facilities with leaks and the number of leaks observed at these facilities during the first and second flyovers (pages A-1 and A-2). The second set shows the locations of facilities with leaks [REDACTED] (pages A-3 – A-7). The third set shows the location of all facilities on EPA's facility spreadsheet, [REDACTED] (pages A-8 – A-12).

Appendix B – Summary of Emissions Sources: Tables that provide the details of each facility with an observed leak, [REDACTED]. For each flyover survey, the table lists the coordinates of the facility, counts of observed leaks, name of video file, and description of the emission. The table also provides the name of the facility where the leak is occurring, the ID number that EPA assigned to the facility, the subject area where the facility is located, and the date the leak was observed. The video files are saved in date folders on ChampionX's ShareFile site. To view the video files, reference the flyover dates in the

Appendix B tables. For example, the table reflects that the first flyover of Facility 9 occurred on July 15 and the second flyover occurred on July 19. Video of the first flyover (EPA 9-1 Video.mp4) is saved in the 7-15-22 folder and video of the second flyover (EPA 9-2 Video.mp4) is saved in the 7-19-22 folder on the ShareFile site. **Appendix B** provides an account of the Toeroek team’s assessment of the number of leaks for each facility. EPA has performed its own assessment of leaks that is summarized in Table 3 of this report.

Appendix C – Daily Summaries: Daily summaries of the aerial survey data that were submitted to EPA throughout the execution of the project. The flight team took videos of leaks and counted the total number of tanks and flares at each facility as well as the number of leaks. This information was recorded in daily summary tables and the videos were uploaded to the ShareFile site.



Appendix D – Logbook: A scanned copy of the flight crew’s field notes that capture daily survey observations.

Video Files on ChampionX’s ShareFile Site: Videos and photographs of the observed emissions are available to EPA via the ShareFile site. The video and photo files are saved in folders that correspond to the flight date. The files are named after the EPA facility ID number with the corresponding flyover number. Each video begins with a photo of the company sign at the entrance of the facility.

Master Facility List Spreadsheet: With this report, Toeroek is also delivering an Excel spreadsheet, identified as “2022 IR Flyover Master Facility List Final Report Rev2 02-13-23,” that contains the results of the aerial survey for each facility and references to the video and photo files. Time stamps for each video have been added to the spreadsheet (see Column O for Flyover 1 videos and Column AF for Flyover 2 videos). The spreadsheet contains columns for each flyover survey. Of specific note, Columns M – AC contain data from the first flyover,

Columns AD – AT contain data from the second flyover when emissions were observed, [REDACTED]

The data in the spreadsheet can be searched and grouped using the dropdown filters in the column headers.

The following columns can be used to identify facility with leaks (based on the Toeroek team's assessment), [REDACTED], and unique facilities that were surveyed and that have leaks:

1. In Column J, **Facility with Leak**, an "X" is entered for a facility with a leak observed during the Flyover 1 and Flyover 2 survey. [REDACTED]

2. In [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED].

3. In Column L, **Unique Facilities Surveyed**, [REDACTED]
[REDACTED]
[REDACTED].

Performance Work Statement Tasks

Toeroek and subcontractor ChampionX performed the IR flyover survey of Permian Basin facilities under Performance Work Statement Tasks 1 and 3, as described below.

Task 01: Project Management

The Toeroek team identified and made arrangements for project staff and performed other general project management duties. Toeroek subcontracted with ChampionX to perform the aerial survey. ChampionX has previous experience providing dependable results at competitive costs on Region 6 IR flyover task orders under both the REPA 5 and REPA 6 Zone 2 contracts.

During execution of this task order, Toeroek coordinated with EPA and ChampionX to address logistical constraints and institute notification and mobilization lead time requirements. Toeroek monitored task order schedules; provided subcontractor direction on activities related to its tasks; reviewed budgets, staffing plans and schedules; and prepared monthly status reports and invoices. Progress reports included the regional survey completion, total survey hours, and a count of objects and leaks surveyed.

Task 03: IR OGI Flyovers (2022 Aerial Survey)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] The survey altitude was adjusted as necessary for safety concerns, such as flying over high structures, flare stacks, vents, and towers. Prior to the surveys, the helicopter pilot informed local and state officials, local law enforcement dispatch offices, sheriff offices, and Air Traffic Control Centers of the low-level altitude surveys in their immediate response area to address civilian concerns caused by the surveys and to ensure adequate integrity of the flight.

ChampionX surveyed predetermined facilities designated by Region 6. Aerial surveys were performed from July 13 through August 15, 2022. Summaries of the number of facilities surveyed, and flight hours are provided in **Table 2**.

Table 2. Summary of Flight Times for 2022 Flyover Survey

Flight Date	Flight Time (Hours)			Facilities Surveyed
	Travel	Survey	Total	
16-Aug	3	0	3	--
15-Aug	0	6	6	1
14-Aug	0	6.8	6.8	1

Flight Date	Flight Time (Hours)			Facilities Surveyed
	Travel	Survey	Total	
13-Aug	0	7.8	7.8	
12-Aug	0	6.9	6.9	
11-Aug	0	7.1	7.1	
10-Aug	0	6.2	6.2	
9-Aug	0	6	6	
8-Aug	3	0	3	--
28-Jul	2	5	7	
27-Jul	0	5.4	5.4	
26-Jul	0	4	4	
24-Jul	0	9.6	9.6	
23-Jul	0	8.1	8.1	
21-Jul	0	3	3	
20-Jul	0	5.1	5.1	
19-Jul	0	6.7	6.7	
18-Jul	0	9.7	9.7	
17-Jul	0	9.3	9.3	
16-Jul	0	9.4	9.4	
15-Jul	0	9	9	
14-Jul	0	7.8	7.8	
13-Jul	0	0.5	0.5	
12-Jul	0	2.5	2.5	
11-Jul	2	0	2	--
Total:	10	141.9	151.9	

The Toeroek team examined various points in the flight areas using Geographical Information System (GIS) data overlaid with Global Positioning Systems (GPS) coordinates to identify potential emissions from targets for release of hydrocarbons, such as tank vents and hatches, valves, flares, etc.

Documentation of each observed emission included a continuous data bank recording the specific emission location and related video. The daily summary reports documenting emissions were provided to EPA so EPA staff could review the information. These daily summaries and videos were submitted as preliminary data. After a quality review of the data, this Summary Report includes the final emissions summary and edited videos.

[REDACTED]

[REDACTED]

When reviewing the appendices and digital bank, please note the following:

- On July 12, 2022, the first day of the survey, ChampionX did not record the total number of tanks and flares at each facility, nor did they take videos of unlit flares on this day. These unlit flares were not included in the emission counts because there is no video evidence of the emissions.

- [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Aerial Survey Results

Table 3 summarizes the number of facilities and objects surveyed [REDACTED] and the number of emissions that EPA observed in their review of the videos. The Toeroek team's facility-level assessment of emissions is provided in **Appendix B** and in the **Master Facility List Spreadsheet**.

Table 3. Summary of Aerial Survey of Permian Basin Facilities

[REDACTED]	Total Facilities Surveyed	Facilities with Leaks	Total Tanks	Total Flares	Flyover 1				Flyover 2			
					Tank Leaks	Flare Leaks	Other Leaks	Total Leaks	Tank Leaks	Flare Leaks	Other Leaks	Total Leaks
[REDACTED]	137	85	1211	152	160	25	8	193	162	15	6	183
[REDACTED]	73	38	456	65	78	4	5	87	77	5	3	85
[REDACTED]	57	20	370	66	41	3	1	45	35	6	2	43
[REDACTED]	283	113	2139	305	167	28	8	203	136	26	10	172
[REDACTED]	16	11	102	15	19	5	0	24	--	--	--	--
	566	267	4278	603	465	65	22	552	410	52	21	483

The aerial survey covered an area of the Permian Basin in Texas and New Mexico (see maps in **Appendix A**). **Appendices B and C**, and the **Master Facility List Spreadsheet** provide information on the hydrocarbon emissions to the atmosphere identified from the survey. A total of 4,278 tanks and 603 flares were surveyed at 566 facilities.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

A total of 151.9 hours of flight time was used to mobilize/demobilize to the flight areas, survey, and selectively re-survey sites within these areas.

In the **Master Facility List Spreadsheet**, filters in the headers of the Columns J and L (Facility with Leak and Unique Facilities Surveyed) can be used to identify the unique facilities surveyed, the facilities with leaks, and counts of total tanks and total flares surveyed. [REDACTED]

[REDACTED] The total numbers of tanks and flares surveyed for the selected filters are listed in Columns P and T in Row 797 at the bottom of the spreadsheet.

[REDACTED]

³ [REDACTED]

APPENDIX A
FIGURES

(b) (7)(A)



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IR Flyover 2022 Flyover 1 Facility Emissions

February 2023 | | A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.



(b) (7)(A)



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IR Flyover 2022 Flyover 2 Facility Emissions

February 2023 | | A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.



(b) (7)(A)



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IR Flyover 2022
Facility Emissions
Flyover 1



February 2023

||

A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.

(b) (7)(A)



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IR Flyover 2022

Facility Emissions Flyover 1



February 2023

||

A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.

(b) (7)(A)



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IR Flyover 2022
Facility Emissions
Flyover 1



February 2023

||

A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.

(b) (7)(A)



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IR Flyover 2022
[REDACTED] Facility Emissions
Flyover 1



February 2023

||

A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.

(b) (7)(A)



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IR Flyover 2022

**[REDACTED] Facility Emissions
Flyover 1**

February 2023

||

A. Purcell

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature boundaries should be considered approximate.

(b) (7)(A)



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IR Flyover 2022 **EPA [REDACTED] Facilities**

August 2022

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature Boundaries should be considered approximate.

A. Purcell

(b) (7)(A)



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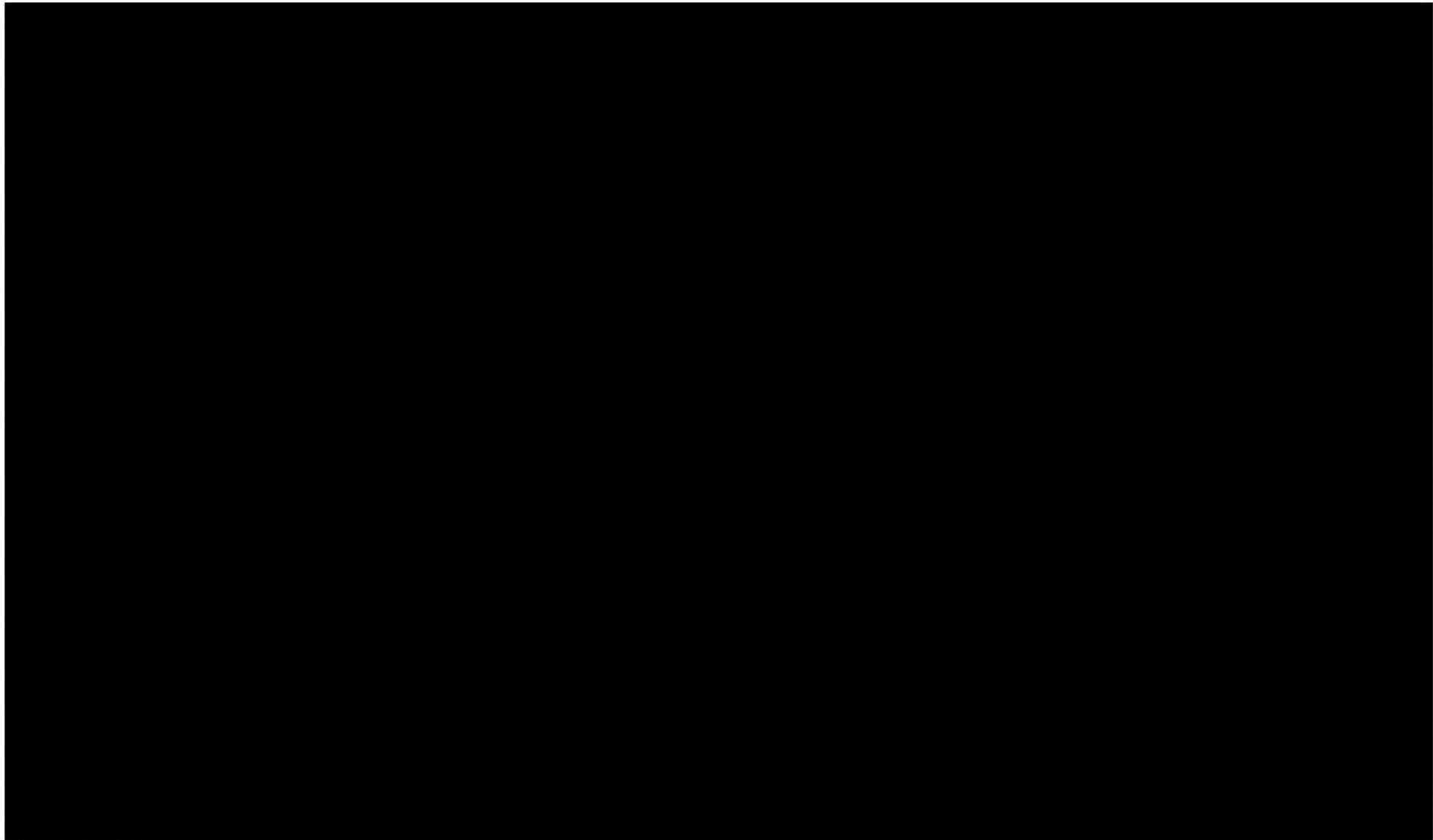
IR Flyover 2022

EPA [REDACTED] Facilities [REDACTED]

August 2022 |

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature Boundaries should be considered approximate.

| A. Purcell



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IR Flyover 2022

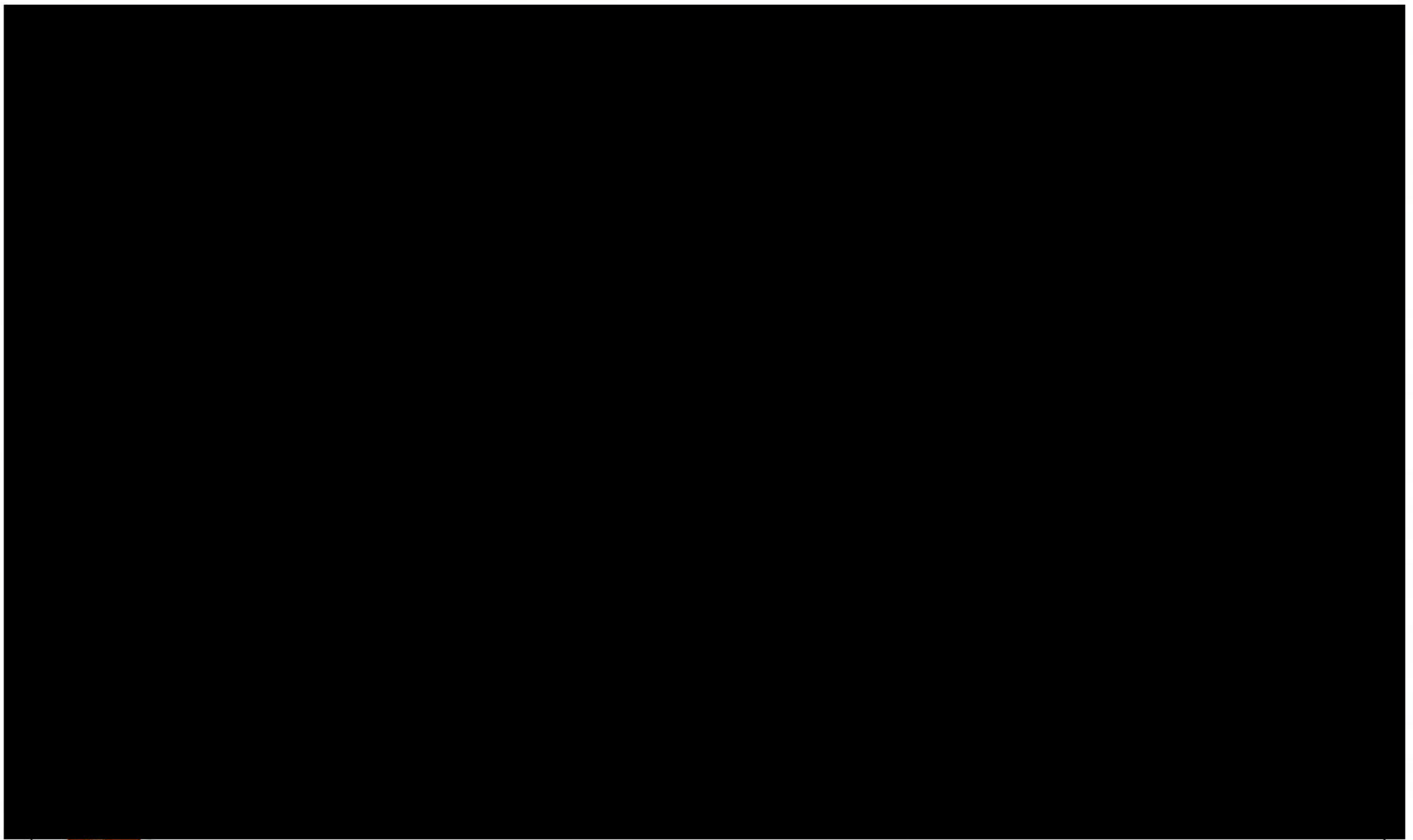
EPA [REDACTED] Facilities



August 2022

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature Boundaries should be considered approximate.

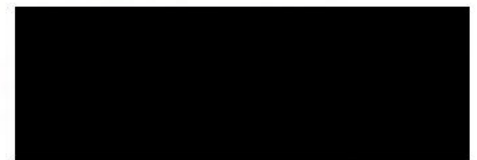
A. Purcell



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IR Flyover 2022

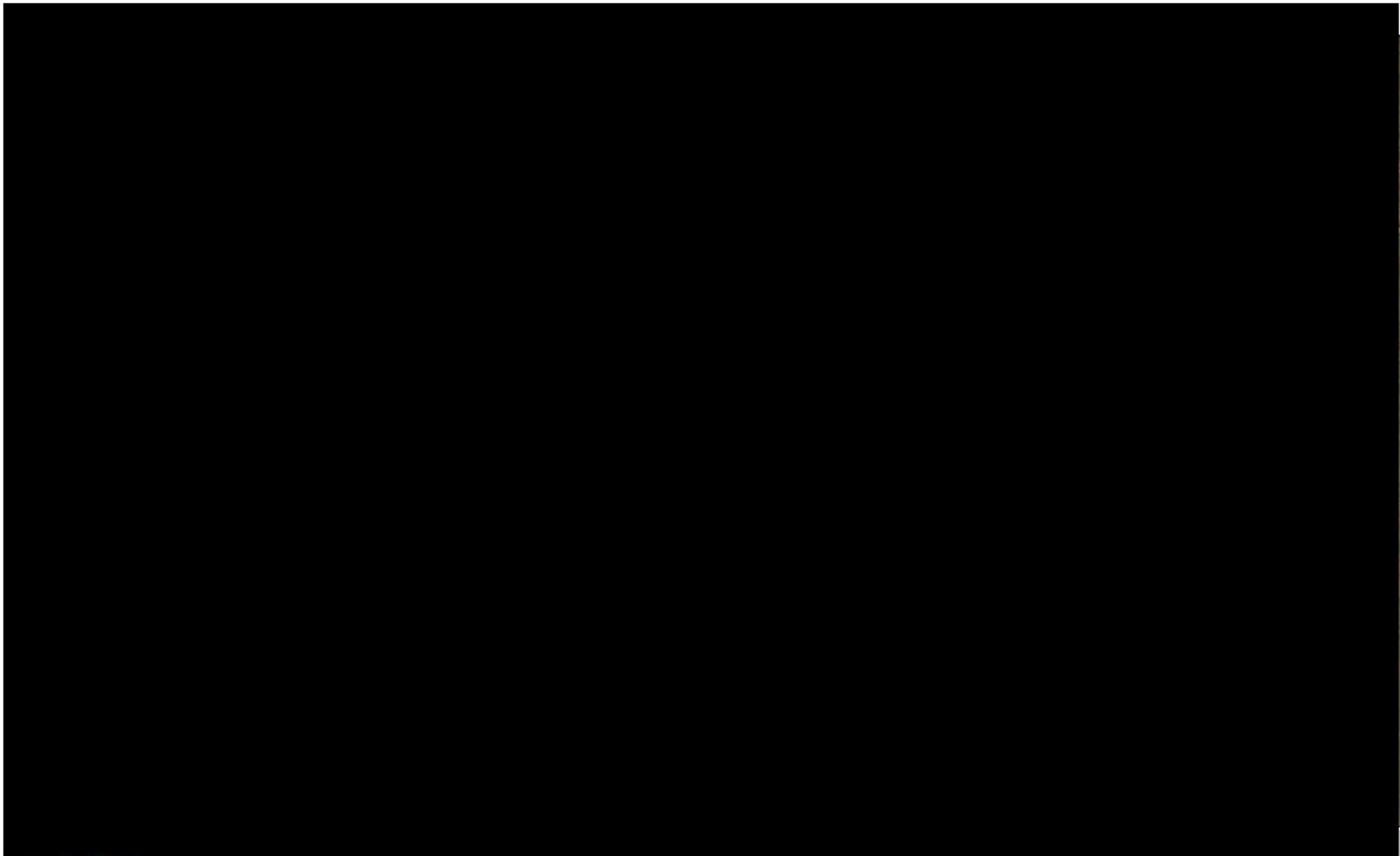
EPA [REDACTED] Facilities



August 2022 |

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature Boundaries should be considered approximate.

| A. Purcell



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IR Flyover 2022

EPA [REDACTED] Facilities [REDACTED]

September 2022

Sources: Aerial imagery and state boundaries from ESRI Imagery Data. Facility locations from EPA. Feature Boundaries should be considered approximate.

A. Purcell

APPENDIX B
IR FLYOVER SUMMARY OF EMISSION SOURCES

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2						
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						TX	7/17/2022				EPA 01-1 Video.mp4		7/19/2022				EPA 1-2 Video.mp4	
						TX	7/17/2022				EPA 02-1 Video.mp4		7/19/2022				EPA 2-2 Video.mp4	
						TX	7/15/2022				EPA 4-1 Video.mp		7/19/2022				EPA 5-2 Video.mp4	
						TX	7/15/2022						7/19/2022				EPA 6-2 Video.mp4	
						TX	7/15/2022				EPA 6-1 Video.mp4		7/19/2022				EPA 9-2 Video.mp4	
						TX	7/15/2022				EPA 9-1 Video.mp4		7/19/2022				EPA 12-2 Video.mp4	
						TX	7/15/2022				EPA 12-1 Video.mp4		7/19/2022				EPA 14-2 Video.mp4	
						TX	7/15/2022				EPA 14-1 Video.mp4		7/20/2022				EPA 16-2 Video.mp4	
						TX	7/15/2022				EPA 16-1 Video.mp4		7/20/2022				EPA 17-2 Video.mp4	
						NM	7/15/2022				EPA 17-1 Video.mp4		7/20/2022				EPA 18-2 Video.mp4	
						NM	7/15/2022				EPA 18-1 Video.mp4		7/20/2022				EPA 19-2 Video.mp4	
						NM	7/15/2022				EPA 19-1 Video.mp4		7/20/2022				EPA 20-2 Video.mp4	
						NM	7/15/2022				EPA 20-1 Video.mp4		7/20/2022				EPA 21-2 Video.mp4	
						NM	7/15/2022				EPA 21-1 Video.mp4		7/20/2022				EPA 22-2 Video.mp4	
						NM	7/15/2022				EPA 22-1 Video.mp4		7/20/2022				EPA 25-2 Video.mp4	
						NM	7/15/2022				EPA 25-1 Video.mp4		7/20/2022				EPA 28-2 Video.mp4	
						NM	7/14/2022				EPA 28-1 Video.mp4		7/20/2022				EPA 29-2 Video.mp4	
						NM	7/15/2022				EPA 29-1 Video.mp4		7/20/2022				EPA 33-2 Video.mp4	
						NM	7/14/2022				EPA 33-1 Video.mp4		7/21/2022				EPA 34-2 Video.mp4	
						TX	7/15/2022				EPA 34-1 Video.mp4		7/19/2022				EPA 35-2 Video.mp4	
						TX	7/17/2022				EPA 35-1 Video.mp4		7/18/2022				PA 37-2 Video.mp4	
						TX	7/17/2022				EPA 37-1 Video.mp4		7/18/2022				reference EPA 37-2 Video above; no video taken of facility on 7/27	
						TX	7/24/2022				reference EPA 37-1 Video above; no video taken of facility on 7/24		7/27/2022				EPA 38-2 Video.mp4	
						TX	7/17/2022				EPA 38-1 Video.mp4		7/18/2022				EPA 43-2 Video.mp4	
						TX	7/15/2022				EPA 43-1 Video.mp4		7/18/2022				EPA 49-2 Video.mp4	
						TX	7/15/2022				EPA 49-1 Video.mp4		7/18/2022				EPA 51-2 Video.mp4	
						TX	7/15/2022				EPA 51-1 Video.mp4		7/19/2022				EPA 52-2 Video.mp4	
						TX	7/15/2022				EPA 52-1 Video.mp4		7/19/2022				EPA 56-2 Video.mp4	
						TX	7/15/2022				EPA 56-1 Video.mp4		7/19/2022				EPA 58-2 Video.mp4	
						TX	7/15/2022				EPA 58-1 Video.mp4		7/19/2022				EPA 61-2 Video.mp4	
						TX	7/17/2022				EPA 61-1 Video.mp4		7/18/2022				EPA 62-2 Video.mp4	
						TX	7/15/2022				EPA 62-1 Video.mp4		7/18/2022				EPA 65-2 Video.mp4	
						TX	7/17/2022				EPA 65-1 Video.mp4		7/19/2022				EPA 67-2 Video.mp4	
						TX	7/17/2022				EPA 67-1 Video.mp4		7/18/2022				EPA 71-2 Video.mp4	
						TX	7/14/2022				EPA 71-1 Video.mp4		7/18/2022				EPA 73-2 Video.mp4	
TX	7/14/2022	EPA 73-1 Video.mp4	7/18/2022	EPA 74-1 Video.mp4														
TX	7/14/2022	EPA 74-1 Video.mp4	7/18/2022	N/A														

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2						
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						NM	7/14/2022				EPA 78-1 Video.mp4		7/21/2022				N/A	
						NM	7/14/2022				EPA 79-1 Video.mp4		7/21/2022				EPA 79-2 Video.mp4	
						NM	7/14/2022				EPA 86-1 Video.mp4		7/18/2022				EPA 86-2 Video.mp4	
						TX	7/16/2022				EPA 87-1 Video.mp4		7/18/2022				EPA 87-2 Video.mp4	
						TX	7/16/2022				EPA 88-1 Video.mp4		7/18/2022				EPA 88-2 Video.mp4	
						TX	7/16/2022				EPA 89-1 Video.mp4		7/18/2022				EPA 89-2 Video.mp4	
						TX	7/16/2022				EPA 90-1 Video.mp4		7/18/2022				EPA 90-2 Video.mp4	
						TX	7/16/2022				EPA 91-1 Video.mp4		7/18/2022				EPA 91-2 Video.mp4	
						TX	7/16/2022				EPA 92-1 Video.mp4		7/18/2022				EPA 92-2 Video.mp4	
						TX	7/16/2022				EPA 93-1 Video.mp4		7/18/2022				EPA 93-2 Video.mp4	
						TX	7/16/2022				EPA 94-1 Video.mp4		7/18/2022				EPA 94-2 Video.mp4	
						TX	7/16/2022				EPA 95-1 Video.mp4		7/18/2022				EPA 95-2 Video.mp4	
						TX	7/16/2022				EPA 96-1 Video.mp4		7/18/2022				EPA 96-2 Video.mp4	
						TX	7/16/2022				EPA 97-1 Video.mp4		7/18/2022				EPA 97-2 Video.mp4	
						TX	7/16/2022				EPA 98-1 Video.mp4		7/18/2022				EPA 98-2 Video.mp4	
						TX	7/16/2022				EPA 99-1 Video.mp4		7/18/2022				EPA 99-2 Video.mp4	
						TX	7/16/2022				EPA 100-1 Video.mp4		7/18/2022				EPA 100-2 Video.mp4	
						TX	7/16/2022				EPA 101-1 Video.mp4		7/18/2022				EPA 101-2 Video.mp4	
						TX	7/16/2022				EPA 102-1 Video.mp4		7/18/2022				EPA 102-2 Video.mp4	
						TX	7/16/2022				EPA 103-1 Video.mp4		7/18/2022				EPA 103-2 Video.mp4	
						TX	7/16/2022				EPA 104-1 Video.mp4		7/18/2022				EPA 104-2 Video.mp4	
						TX	7/16/2022				EPA 105-1 Video.mp4		7/18/2022				EPA 105-2 Video.mp4	
						TX	7/16/2022				EPA 106-1 Video.mp4		7/18/2022				EPA 106-2 Video.mp4	
						TX	7/16/2022				EPA 107-1 Video.mp4		7/18/2022				EPA 107-2 Video.mp4	
						TX	7/16/2022				EPA 108-1 Video.mp4		7/18/2022				EPA 108-2 Video.mp4	
						TX	7/16/2022				EPA 109-1 Video.mp4		7/18/2022				EPA 109-2 Video.mp4	
						TX	7/16/2022				EPA 110-1 Video.mp4		7/18/2022				EPA 110-2 Video.mp4	
						TX	7/16/2022				EPA 111-1 Video.mp4		7/18/2022				EPA 111-2 Video.mp4	
						TX	7/16/2022				EPA 112-1 Video.mp4		7/18/2022				EPA 112-2 Video.mp4	
						TX	7/16/2022				EPA 113-1 Video.mp4		7/18/2022				EPA 113-2 Video.mp4	
						TX	7/16/2022				EPA 114-1 Video.mp4		7/18/2022				EPA 114-2 Video.mp4	
						TX	7/16/2022				EPA 115-1 Video.mp4		8/9/2022				EPA 115-2 Video.mp4	
TX	7/16/2022	EPA 116-1 Video.mp4	7/18/2022	EPA 116-2 Video.mp4														
NM	7/15/2022	EPA 256-1 Video.mp4	7/21/2022	EPA 256-2 Video.mp4														
TX	7/15/2022	EPA 257-1 Video.mp4	7/19/2022	EPA 257-2 Video.mp4														
TX	7/16/2022	EPA 259-1 Video.mp4	7/18/2022	N/A														
NM	7/15/2022	EPA 260-1 Video.mp4	7/21/2022	EPA 260-2 Video.mp4														
TX	7/16/2022	EPA 261-1 Video.mp4	7/20/2022	EPA 261-2 Video.mp4														
TX	7/17/2022	EPA 262-1 Video.mp4	7/19/2022	N/A														
NM	7/12/2022	264-1 Video.mp4	7/21/2022	N/A														

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1						FLYOVER 2					
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						NM	7/15/2022				EPA 265-1 Video.mp4		7/21/2022				EPA 265-2 Video.mp4	
						TX	7/14/2022				EPA 266-1 Video.mp4		7/18/2022				EPA 266-2 Video.mp4	
						NM	7/14/2022				EPA 268-1 Video.mp4		7/18/2022				EPA 268-2 Video.mp4	
						NM	7/14/2022				EPA 270-1 Video.mp4		7/20/2022				EPA 270-2 Video.mp4	
						NM	7/15/2022				EPA 271-1 Video.mp4		7/20/2022				EPA 271-2 Video.mp4	
						TX	7/15/2022				EPA 274-1 Video.mp4		7/19/2022				EPA 274-2 Video.mp4	
						TX	7/14/2022				EPA 275-1 Video.mp4		7/19/2022				EPA 275-2 Video.mp4	
						NM	7/15/2022				EPA 276-1 Video.mp4		7/21/2022				EPA 276-2 Video.mp4	
						TX	7/16/2022				EPA 277-1 Video.mp4		7/18/2022				EPA 277-2 Video.mp4	
						TX	7/16/2022				EPA 278-1 Video.mp4		7/18/2022				EPA 278-2 Video.mp4	
						TX	7/15/2022				EPA 117-1 Video.mp4		7/19/2022				EPA 117-2 Video.mp4	
						TX	7/17/2022				EPA 118-1 Video.mp4		7/18/2022				EPA 118-2 Video.mp4	
						TX	7/17/2022				EPA 119-1 Video.mp4		7/19/2022				EPA 119-2 Video.mp4	
						TX	7/17/2022				EPA 120-1 Video.mp4		7/19/2022				EPA 120-2 Video.mp4	
						TX	7/17/2022				EPA 121-1 Video.mp4		7/18/2022				EPA 121-2 Video.mp4	
						TX	7/17/2022				EPA 122-1 Video.m		7/19/2022				EPA 122-2 Video.mp4	
						TX	7/17/2022				EPA 123-1 Video.mp4		7/19/2022				EPA 123-2 Video.mp4	
						TX	7/17/2022				EPA 124-1 Video.mp4		7/19/2022				EPA 124-2 Video.mp4	
						TX	7/17/2022				EPA 133-1 Video.m		7/19/2022				EPA 133-2 Video.mp4	
						TX	7/17/2022				EPA 134-1 Video.mp4		7/19/2022				EPA 134-2 Video.mp4	
						TX	7/17/2022				EPA 135-1 Video.mp4		7/19/2022				EPA 135-2 Video.mp4	
						TX	7/17/2022				EPA 136-1 Video.mp4		7/19/2022				EPA 136-2 Video.mp4	
						TX	7/17/2022				EPA 137-1 Video.mp4		7/19/2022				EPA 137-2 Video.mp4	
						TX	7/17/2022				EPA 139-1 Video.mp4		7/19/2022				EPA 139-2 Video.mp4	
						TX	7/16/2022				EPA 141-1 Video.mp4		7/20/2022				EPA 141-2 Video.mp4	
						NM	7/14/2022				EPA 142-1 Video.mp4		7/20/2022				N/A	
						NM	7/14/2022				EPA 144-1 Video.mp4		7/21/2022				EPA 144-2 Video.mp4	
						NM	7/18/2022				EPA 145-1 Video.mp4		7/21/2022				EPA 145-2 Video.mp4	
						NM	7/14/2022				EPA 147-1 Video.mp4		7/21/2022				EPA 147-2 Video.mp4	
						NM	7/14/2022				EPA 149-1 Video.mp4		7/21/2022				EPA 149-2 Video.mp4	
						TX	7/17/2022				EPA 150-1 Video.mp4		7/19/2022				EPA 150-2 Video.mp4	
						TX	7/17/2022				EPA 153-1 Video.mp4		7/19/2022				EPA 153-2 Video.mp4	
						NM	7/14/2022				EPA 155-1 Video.mp4		7/20/2022				EPA 155-2 Video.mp4	
						TX	7/16/2022				EPA 158-1 Video.mp4		7/20/2022				EPA 158-2 Video.mp4	
						NM	7/18/2022				EPA 165-1 Video.mp4		7/20/2022				EPA 165-2 Video.mp4	
						NM	7/14/2022				EPA 167-1 Video.mp4		7/21/2022				N/A	
						TX	7/17/2022				EPA 170-1 Video.mp4		7/19/2022				EPA 170-2 Video.mp4	

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2						
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						TX	7/17/2022				EPA 175-1 Video.mp4		19/2022				EPA 175-2 Video.mp4	
						TX	7/17/2022				EPA 177-1 Video.mp4		18/2022				EPA 177-2 Video.mp4	
						NM	7/17/2022				EPA 181-1 Video.		21/2022				EPA 178-2 Video.mp4	
						NM	7/17/2022						21/2022				EPA 180-2 Video.mp4	
						NM	7/17/2022				EPA 180-1 Video.mp4		28/2022				EPA 180-2 Video.mp4	
						NM	7/14/2022				EPA 184-1 Video.mp4		20/2022				EPA 184-2 Video.mp4	
						NM	7/14/2022				EPA 185-1 Video.mp4		20/2022				EPA 185-2 Video.mp4	
						NM	7/17/2022				EPA 188-1 Video.mp4		20/2022				N/A	
						NM	7/17/2022				EPA 189-1 Video.mp4		21/2022				EPA 189-2 Video.mp4	
						NM	7/17/2022				EPA 190-1 Video.mp4		21/2022				EPA 190-2 Video.mp4	
						NM	7/17/2022				EPA 191-1 Video.mp4		21/2022				EPA 191-2 Video.mp4	
						TX	7/17/2022				EPA 192-1 Video.mp4		19/2022				EPA 192-2 Video.mp4	
						TX	7/20/2022				EPA 195-1 Video.mp4		28/2022				EPA 195-2 Video.mp4	
						TX	7/27/2022				EPA 197-1 Video.mp4		28/2022				EPA 197-2 Video.mp4	
						TX	7/27/2022						28/2022					
						TX	7/27/2022				EPA 200-1 Video.		28/2022				EPA 200-2 Video.mp4	
						TX	7/27/2022						28/2022					
						TX	7/12/2022				203-1 Video.mp4		28/2022				EPA 203-2 Video.mp4	
						TX	7/14/2022				EPA 208-1 Video.mp4		28/2022				EPA 208-2 Video.mp4	
						TX	8/11/2022				EPA 461-1 Video.mp4		14/2022				EPA 461-2 Video.mp4	
						NM	7/14/2022				EPA 209-1 Video.mp4		28/2022				EPA 209-2 Video.mp4	
						NM	7/14/2022				EPA 210-1 Video.mp4		28/2022				EPA 210-2 Video.mp4	
						NM	7/14/2022				EPA 217-1 Video.mp4		28/2022				EPA 217-2 Video.mp4	
						NM	7/14/2022				EPA 218-1 Video.mp4		28/2022				N/A	
						NM	7/14/2022				EPA 219-1 Video.mp4		28/2022				EPA 219-2 Video.mp4	
						TX	7/27/2022				EPA 226-1 Video.mp4		28/2022				EPA 226-2 Video.mp4	
						TX	7/12/2022				N/A		28/2022				EPA 227-2 Video.mp4	
						TX	7/12/2022				N/A		28/2022				EPA 227-2 Video.mp4	
						NM	7/23/2022				EPA 230-1 Video.mp4		27/2022				EPA 230-2 Video.mp4	
						NM	7/12/2022				233-1 Video.mp4		28/2022				EPA 233-2 Video.mp4	
						NM	7/14/2022				EPA 236-1 Video.mp4		28/2022				EPA 236-2 Video.mp4	
						NM	7/27/2022				EPA 238-1 Video.mp4		28/2022				EPA 238-2 Video.mp4	
						NM	7/27/2022				EPA 239-1 Video.mp4		28/2022				EPA 239-2 Video.mp4	
						NM	7/27/2022				EPA 243-1 Video.mp4		28/2022				EPA 243-2 Video.mp4	
NM	7/27/2022	EPA 244-1 Video.mp4	28/2022	EPA 244-2 Video.mp4														
NM	7/27/2022	EPA 250-1 Video.mp4	9/2022	EPA 250-2 Video.mp4														
TX	7/26/2022	EPA 280-1 Video.mp4	27/2022	EPA 280-2 Video.mp4														
TX	7/26/2022	EPA 282-1 Video.mp4	27/2022	N/A														
TX	7/26/2022	EPA 286-1 Video.mp4	27/2022	EPA 286-2 Video.mp4														

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2						
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						TX	7/26/2022				N/A		7/27/2022				EPA 288-2 Video.mp4	
						TX	7/26/2022				EPA 289-1 Video.mp4		7/27/2022				EPA 289-2 Video.mp4	
						TX	7/26/2022				EPA 290-1 Video.mp4		8/9/2022				EPA 290-2 Video.mp4	
						TX	7/26/2022				EPA 294-1 Video.mp4		7/27/2022				EPA 294-2 Video.mp4	
						TX	7/26/2022				EPA 295-1 Video.mp4		7/27/2022				EPA 295-2 Video.mp4	
						TX	7/27/2022				EPA 298-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 299-1 Video.mp4		8/9/2022				EPA 299-2 Video.mp4	
						TX	7/27/2022				EPA 301-1 Video.mp4		8/9/2022				N/A	
						TX	7/26/2022				EPA 306-1 Video.mp4		7/27/2022				EPA 306-2 Video.mp4	
						TX	7/26/2022				N/A		7/27/2022				EPA 311-2 Video.mp4	
						TX	7/28/2022				EPA 312-1 Video.mp4		8/9/2022				EPA 312-2 Video.mp4	
						TX	7/26/2022				EPA 313-1 Video.mp4		7/28/2022				EPA 313-2 Video.mp4	
						TX	7/26/2022				EPA 314-1 Video.mp4		7/28/2022				EPA 314-2 Video.mp4	
						TX	7/26/2022				N/A		7/27/2022				EPA 320-2 Video.mp4	
						TX	7/26/2022				N/A		7/27/2022				EPA 322-2 Video.mp4	
						TX	7/27/2022				EPA 324-1 Video.mp4		8/9/2022				EPA 324-2 Video.mp4	
						TX	7/26/2022				EPA 325-1 Video.mp4		7/27/2022				EPA 325-2 Video.mp4	
						TX	7/26/2022				EPA 332-1 Video.mp4		7/27/2022				EPA 332-2 Video.mp4	
						TX	7/27/2022				EPA 334-1 Video.mp4		8/9/2022				N/A	
						TX	7/26/2022				N/A		7/27/2022				EPA 337-2 Video.mp4	
						TX	7/26/2022				EPA 340-1 Video.mp4		7/27/2022				EPA 340-2 Video.mp4	
						TX	7/27/2022				EPA 341-1 Video.mp4		8/9/2022				EPA 341-2 Video.mp4	
						TX	7/27/2022				EPA 343-1 Video.mp4		8/9/2022				EPA 343-2 Video.mp4	
						TX	7/27/2022				EPA 348-1 Video.mp4		8/9/2022				EPA 348-2 Video.mp4	
						TX	7/27/2022				EPA 350-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 357-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 359-1 Video.mp4		8/9/2022				EPA 359-2 Video.mp4	
						TX	7/27/2022				EPA 360-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 362-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 364-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 366-1 Video.mp4		8/9/2022				N/A	
						TX	7/27/2022				EPA 367-1 Video.mp4		8/9/2022				N/A	
						NM	7/27/2022				EPA 373-1 Video.mp4		7/28/2022				EPA 373-2 Video.mp4	
						TX	7/26/2022				EPA 376-1 Video.mp4		7/27/2022				EPA 376-2 Video.mp4	
						TX	7/26/2022				EPA 378-1 Video.mp4		7/27/2022				EPA 378-2 Video.mp4	
						TX	7/26/2022				EPA 379-1 Video.mp4		7/27/2022				EPA 379-2 Video.mp4	
						TX	7/26/2022				N/A		7/27/2022				EPA 380-2 Video.mp4	
						TX	8/10/2022				EPA 382-1 Video.mp4		8/14/2022				EPA 382-2 Video.mp4	

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2							
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	
							NM	8/11/2022				EPA 391-1 Video.mp4		/14/2022				N/A	
							NM	8/11/2022				EPA 398-1 Video.mp4		/14/2022				EPA 398-2 Video.mp4	
							NM	8/11/2022				EPA 408-1 Video.mp4		/14/2022				N/A	
							NM	8/11/2022				EPA 438-1 Video.mp4		/14/2022				EPA 438-2 Video.mp4	
							NM	8/11/2022				EPA 442-1 Video.mp4		/14/2022				EPA 442-2 Video.png	
							NM	8/12/2022				EPA 449-1 Video.mp4		/14/2022				EPA 449-2 Video.mp4	
							TX	8/11/2022				EPA 456-1 Video.mp4		/14/2022				N/A	
							TX	8/11/2022				EPA 462-1 Video.mp4		/14/2022				EPA 462-2 Picture.png	
							NM	8/11/2022				EPA 464-1 Video.mp4		/14/2022				EPA 464-2 Video.mp4	
							NM	8/11/2022				EPA 467-1 Video.mp4		/14/2022				EPA 467-2 Video.mp4	
							NM	8/11/2022				EPA 468-1 Video.mp4		/14/2022				EPA 468-2 Video.mp4	
							TX	8/11/2022				EPA 471-1 Video.mp4		/14/2022				N/A	
							TX	8/11/2022				EPA 472-1 Video.mp4		/14/2022				EPA 472-2 Video.mp4	
							NM	8/11/2022				EPA 478-1 Video.mp4		/14/2022				EPA 478-2 Video.mp4	
							NM	8/11/2022				EPA 479-1 Video.mp4		/14/2022				N/A	
							NM	8/12/2022				EPA 481-1 Video.mp4		/14/2022				EPA 481-2 Video.mp4	
							NM	8/12/2022				EPA 483-1 Video.mp4		/14/2022				N/A	
							NM	8/12/2022				EPA 485-1 Video.mp4		/14/2022				EPA 485-2 Video.mp4	
							NM	8/12/2022				EPA 486-1 Video.mp4		/14/2022				EPA 486-2 Video.mp4	
							NM	8/12/2022				EPA 489-1 Video.mp4		/14/2022				EPA 489-2 Video.mp4	
							NM	8/12/2022				EPA 490-1 Video.mp4		/14/2022				EPA 490-2 Video.mp4	
							NM	8/12/2022				EPA 495-1 Video.mp4		/14/2022				EPA 495-2 Video.png	
							NM	8/12/2022				EPA 496-1 Video.mp4		/14/2022				EPA 496-2 Video.mp4	
							NM	8/12/2022				EPA 499-1 Video.mp4		/14/2022				EPA 499-2 Video.mp4	
							NM	8/12/2022				EPA 500-1 Video.mp4		/14/2022				EPA 500-2 Picture.png	
							NM	8/12/2022				EPA 501-1 Video.mp4		/14/2022				EPA 501-2 Video.mp4	
							NM	8/12/2022				EPA 502-1 Video.mp4		/14/2022				EPA 502-2 Video.mp4	
							TX	8/13/2022				EPA 506-1 Video.mp4		/15/2022				EPA 506-2 Video.mp4	
							TX	8/10/2022				EPA 507-1 Video.mp4		/14/2022				EPA 507-2 Video.mp4	
							TX	8/10/2022				EPA 508-1 Video.mp4		/14/2022				EPA 508-2 Video.mp4	
							TX	8/13/2022				EPA 510-1 Video.mp4		/15/2022				EPA 510-2 Video.mp4	
							TX	8/10/2022				EPA 511-1 Video.mp4		/14/2022				N/A	
TX	8/10/2022	EPA 512-1 Video.mp4	/14/2022	EPA 512-2 Picture.png															
TX	8/10/2022	EPA 514-1 Video.mp4	/14/2022	EPA 514-2 Video.mp4															
TX	8/10/2022	EPA 514-1 Video.mp4	/14/2022	EPA 514-2 Video.mp4															
TX	8/13/2022	EPA 515-1 Video.mp4	/15/2022	EPA 515-2 Video.mp4															
TX	8/10/2022	EPA 519-1 Video.mp4	/14/2022	N/A															
TX	8/13/2022	EPA 521-1 Video.mp4	/15/2022	EPA 521-2 Video.mp4															
TX	8/10/2022	EPA 522-1 Video.mp4	/14/2022	EPA 522-2 Video.mp4															

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Facility #	Company	Facility	Latitude	Longitude	State	FLYOVER 1					FLYOVER 2					
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description	Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID
						TX	8/10/2022			EPA 523-1 Video.mp4		/14/2022				N/A	
						TX	8/10/2022			EPA 524-1 Video.mp4		/14/2022				EPA 524-2 Video.mp4	
						TX	8/10/2022			EPA 526-1 Video.mp4		/14/2022				EPA 526-2 Video.mp4	
						TX	8/10/2022			EPA 527-1 Video.mp4		/14/2022				EPA 527-2 Video.mp4	
						TX	8/10/2022			EPA 528-1 Video.mp4		/14/2022				EPA 528-2 Video.mp4	
						TX	8/13/2022			EPA 531-1 Video.mp4		/15/2022				EPA 531-2 Video.mp4	
						TX	8/13/2022			EPA 532-1 Video.mp4		/15/2022				EPA 532-2 Video.mp4	
						TX	8/13/2022			EPA 533-1 Video.mp4		/15/2022				EPA 533-2 Video.mp4	
						TX	8/13/2022			EPA 534-1 Video.mp4		/15/2022				EPA 534-2 Video.mp4	
						TX	8/13/2022			EPA 536-1 Video.mp4		/15/2022				EPA 536-2 Video.mp4	
						TX	8/13/2022			EPA 537-1 Video.mp4		/15/2022				EPA 537-2 Video.mp4	
						TX	8/13/2022			EPA 538-1 Video.mp4		/15/2022				EPA 538-2 Video.mp4	
						TX	8/13/2022			EPA 539-1 Video.mp4		/15/2022				EPA 539-2 Video.mp4	
						TX	8/13/2022			EPA 540-1 Video.mp4		/15/2022				EPA 540-2 Video.mp4	
						TX	8/13/2022			EPA 541-1 Video.mp4		/15/2022				N/A	
						TX	8/13/2022			EPA 542-1 Video.mp4		/15/2022				EPA 542-2 Video.mp4	
						TX	8/13/2022			EPA 544-1 Video.mp4		/15/2022				N/A	
						TX	8/13/2022			EPA 545-1 Video.mp4		/15/2022				EPA 545-2 Video.mp4	
						TX	8/13/2022			EPA 548-1 Video.mp4		/15/2022				N/A	
						TX	8/13/2022			EPA 552-1 Video.mp4		/15/2022				EPA 552-2 Video.mp4	
						TX	8/13/2022			EPA 553-1 Video.mp4		/15/2022				EPA 553-2 Video.mp4	
						TX	8/13/2022			EPA 556-1 Video.mp4		/15/2022				EPA 556-2 Video.mp4	
						TX	8/13/2022			EPA 557-1 Video.mp4		/15/2022				EPA 557-2 Video.mp4	
						TX	8/13/2022			EPA 559-1 Video.mp4		/15/2022				EPA 559-2 Video.mp4	
						TX	8/12/2022			EPA 560-1 Video.mp4		/15/2022				EPA 560-2 Video.mp4	
						TX	8/12/2022			EPA 561-1 Video.mp4		/14/2022				EPA 561-2 Video.mp4	
						TX	8/12/2022			EPA 563-1 Video.mp4		/15/2022				EPA 563-2 Video.mp4	
						TX	8/12/2022			EPA 565-1 Video.mp4		15-A				EPA 565-2 Video.mp4	
						TX	8/12/2022			EPA 566-1 Video.mp4		/14/2022				EPA 566-2 Video.mp4	
						TX	8/12/2022			EPA 568-1 Video.mp4		/14/2022				EPA 568-2 Video.mp4	
						TX	8/12/2022			EPA 569-1 Video.mp4		/14/2022				EPA 569-2 Video.png	
						TX	8/10/2022			EPA 572-1 Video.mp4		/14/2022				EPA 572-2 Video.mp4	
						TX	8/10/2022			EPA 573-1 Video.mp4		/14/2022				EPA 573-2 Video.mp4	
						TX	8/12/2022			EPA 576-1 Video.mp4		/14/2022				EPA 576-2 Video.mp4	
						TX	8/10/2022			EPA 579-1 Video.mp4		/14/2022				EPA 579-2 Video.mp4	

Infrared (IR) Flyover Project - 2022
Appendix B - Emission Summary

Priority	EPA Company ID	Company	Facility	Latitude	Longitude	State	FLYOVER 1					
							Date	Tank Leaks	Flare Leaks	Other Leaks	Video ID	Leak Description
						NM	8/9/2022				EPA 773 Video.mp4	
						NM	8/9/2022					
						NM	8/9/2022				EPA 774 Video.mp4	
						NM	8/9/2022				EPA 775 Video.mp4	
						NM	8/9/2022				EPA 776 Video.mp4	
						NM	8/9/2022				EPA 783 Video.mp4	
						NM	8/9/2022					
						NM	8/9/2022				EPA 778 Video.mp4	
						NM	8/9/2022				EPA 779 Video.mp4	
						NM	8/9/2022				EPA 782 Video.mp4	
						NM	8/9/2022				EPA 784 Video.mp4	
						NM	8/9/2022				EPA 785 Video.mp4	
						NM	8/9/2022				EPA 786 Video.mp4	

EV - Enardo Valve

APPENDIX C
DAILY SUMMARIES

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 12, 2022

EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed*	Leaks	Hatch	Enardo Valve	Surveyed*	Unit	Malfunctioning	Leaks	Description	
			NM	Lea		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												

DAILY SUMMARY

Survey and Leaks Summary							
DATE	Facilities		Tanks		Flares		TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	
12-Jul							
Total:							

Flight Time (Hours)			
DATE	Travel	Survey	Total
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	2.5	4.5

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 13, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			NM	Lea		1												
FLIGHT DETAILS - July 14, 2022																		
			NM	Lea		1												
			NM	Eddy		1												
			NM	Lea		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			NM	Eddy		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Eddy		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Culberson		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Lea		1												
			TX	Culberson		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 14, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Loving		1												

DAILY SUMMARY								
Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	10.8	12.8

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 15, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Loving		1												
			TX	Winkler		1												
			TX	Winkler		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Lea		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Lea		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 15, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			NM	Lea		1												
			TX	Reeves		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Lea		1												
			TX	Loving		1												
			NM	Lea		1												

Appendix C - Daily Summaries

FLIGHT DETAILS - July 15, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Loving		1												
Total:																		

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	19.8	21.8

Appendix C - Daily Summaries

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Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 16, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Midland		1												
			TX	Midland		1												
			TX	Reeves		1												
			TX	Midland		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Martin		1												
			TX	Midland		1												
			TX	Midland		1												
			TX	Midland		1												
			TX	Upton		1												
			TX	Midland		1												
Total:																		

DAILY SUMMARY

Survey and Leaks Summary							
DATE	Facilities		Tanks		Flares		TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	
16-Jul							
15-Jul							
14-Jul							
13-Jul							
12-Jul							
Total:							

Flight Time (Hours)			
DATE	Travel	Survey	Total
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	29.2	31.2

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 17, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Culberson		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
TX	Reeves	1																

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 17, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unit	Malfunctioning	Leaks	Description	
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Winkler		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Reeves		1												
			TX	Reeves		1												

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 17, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1			11	0			2	0	0	0		0
Total:									426	82	59	23	64	0	3	10		95

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	38.5	40.5

Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 18, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unit	Malfunctioning	Leaks	Description	
			TX	Culberson		2												
			TX	Reeves		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Reeves		2												
			TX	Culberson		2												
			NM	Eddy		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			NM	Lea		1												
			NM	Eddy		1												
			NM	Eddy		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 18, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	48.2	50.2

Appendix C - Daily Summaries

EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
1	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	1	1	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
2	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	2	2	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
3	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	3	3	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
4	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	4	4	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
5	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	5	5	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
6	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	6	6	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
7	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	7	7	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
8	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	8	8	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
9	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	9	9	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1
10	AMERICAN PETROLEUM	AMERICAN PETROLEUM	TX	DADE	10	10	30.1234	-97.6543	1	0	0	0	1	0	0	0	0	1

[illegible]

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 19, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Loving		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Winkler		2												
			TX	Reeves		2												
			TX	Reeves		2												

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	54.9	56.9

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

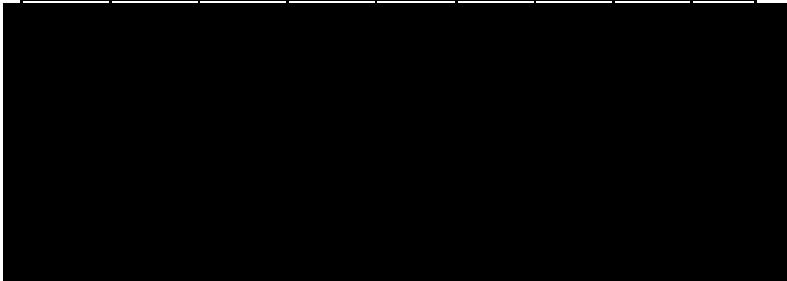
FLIGHT DETAILS - July 20, 2022																			
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS	
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description		
			TX	Loving		2													
			TX	Loving		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			TX	Loving		2													
			NM	Eddy		2													
			NM	Eddy		2													
			TX	Midland		2													
			NM	Eddy		2													
			NM	Eddy		2													
			TX	Midland		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Eddy		2													
			NM	Lea		2													
			TX	Midland		1													

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 20, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	



Flight Time (Hours)			
DATE	Travel	Survey	Total
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2

Total: 2 60 62

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

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Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 21, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	

Flight Time (Hours)			
DATE	Travel	Survey	Total
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	63	65

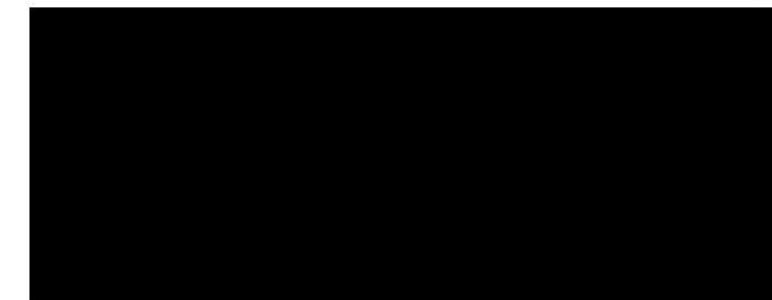
Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - July 23, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			NM	Lea		2												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 23, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			NM	Eddy		1												
			NM	Eddy		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												



Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 23, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	71.1	73.1

Appendix C - Daily Summaries

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Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 24, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	

			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Loving		1												
			NM	Eddy		1												



Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 24, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	80.7	82.7

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 26, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY
							Latitude	Longitude	Surveyed	Leaks	Hatch	Emergency Valve	Surveyed	Unit	Malfunctioning	Leaks	Description	
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Loving		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 26, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	84.7	86.7

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 27, 2022																			
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS	
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description		
			TX	Loving		1													
			TX	Loving		1													
			TX	Loving		1													
			TX	Loving		1													
			TX	Loving		1													
			NM	Lea		2													
			NM	Lea		1													
			NM	Lea		1													
			NM	Lea		1													
			NM	Lea		1													
			NM	Lea		1													
			NM	Lea		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Reeves		1													
			TX	Culberson		1													
			TX	Culberson		1													
			TX	Culberson		1													
			TX	Culberson		1													
			TX	Culberson		1													

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 27, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Culberson		1												
			TX	Culberson		1												
			NM	Eddy		1												
			TX	Loving		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 27, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	2	90.1	92.1

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 28, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1												
			NM	Lea		2												
			TX	Midland		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Loving		2												
			TX	Culberson		2												
			TX	Eddy		2												
			TX	Eddy		2												
			TX	Eddy		2												
			NM	Eddy		2												
			TX	Eddy		2												
			TX	Loving		2												
			TX	Loving		2												
			NM	Lea		2												
			NM	Lea		2												
			NM	Eddy		2												
			NM	Lea		2												
			NM	Lea		2												
			NM	Lea		2												
			NM	Lea		2												
			TX	Loving		2												
			TX	Loving		2												
			NM	Eddy		2												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - July 28, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	4	95.1	99.1

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 9, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Culberson		2												
			NM	Lea		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
TX	Reeves	2																

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

Flight Details - August 9, 2022																		
EPA Facility #	Company Name	Facility Name	State	County	Priority #	Flyover #	Coordinates		Tanks				Flares			Other		Total Facility Leaks
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												
			TX	Culberson		2												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 9, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	LEAKS
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	101.1	108.1

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 10, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Culberson		1												
			NM	Lea		1												
			NM	Lea		1												
			NM	Lea		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Reeves		1												
			TX	Loving		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 10, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Reeves		1												
			TX	Loving		1												
			TX	Winkler		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 10, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	107.3	114.3

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 11, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 11, 2022																				
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS		
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description			
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Lea		1														
			NM	Eddy		1														
			NM	Eddy		1														
			NM	Eddy		1														

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 11, 2022																																
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS														
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description															
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Lea		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			TX	Culberson		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										
			NM	Eddy		1																										

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 11, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			TX	Culberson		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												
			NM	Eddy		1												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 11, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	LEAKS
11-Aug								
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
11-Aug	0	7.1	7.1
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	114.4	121.4

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

[illegible]

Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 12, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
12-Aug								
11-Aug								
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
12-Aug	0	6.9	6.9
11-Aug	0	7.1	7.1
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	121.3	128.3

Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 13, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Martin		1												
			TX	Reagan		1												
			TX	Reagan		1												
			TX	Reagan		1												
			TX	Reagan		1												

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
13-Aug								
12-Aug								
11-Aug								
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
13-Aug	0	7.8	7.8
12-Aug	0	6.9	6.9
11-Aug	0	7.1	7.1
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	129.1	136.1

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

[illegible]

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - August 14, 2022																		
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description	
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Loving		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Ward		2												
			TX	Ward		2												
			TX	Ward		2												
			TX	Ward		2												
			TX	Reeves		2												
			TX	Reeves		2												
			TX	Ward		2												
			TX	Loving		2												

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 14, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
14-Aug								
13-Aug								
12-Aug								
11-Aug								
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
14-Aug	0	6.8	6.8
13-Aug	0	7.8	7.8
12-Aug	0	6.9	6.9
11-Aug	0	7.1	7.1
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	7	135.9	142.9

Infrared (IR) Flyover Project - 2022

Appendix C - Daily Summaries

FLIGHT DETAILS - August 15, 2022																				
EPA FACILITY #	COMPANY NAME	FACILITY NAME	STATE	COUNTY	PRIORITY #	FLYOVER #	COORDINATES		TANKS				FLARES			OTHER		TOTAL FACILITY LEAKS		
							Latitude	Longitude	Surveyed	Leaks	Hatch	Enardo Valve	Surveyed	Unlit	Malfunctioning	Leaks	Description			
			TX	Upton		2														
			TX	Upton		2														
			TX	Upton		2														
			TX	Upton		2														
			TX	Midland		2														
			TX	Upton		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Martin		2														
			TX	Martin		2														
			TX	Martin		2														
			TX	Martin		2														
			TX	Midland		2														
			TX	Martin		2														
			TX	Martin		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Midland		2														
			TX	Martin		2														
			TX	Ward		2														
			TX	Ward		2														
			TX	Ward		2														

Infrared (IR) Flyover Project - 2022
Appendix C - Daily Summaries

FLIGHT DETAILS - August 15, 2022

DAILY SUMMARY

Survey and Leaks Summary								
DATE	Facilities		Tanks		Flares		Other	TOTAL LEAKS
	Surveyed	Leaks	Surveyed	Leaks	Surveyed	Leaks	Leaks	
15-Aug								
14-Aug								
13-Aug								
12-Aug								
11-Aug								
10-Aug								
9-Aug								
28-Jul								
27-Jul								
26-Jul								
24-Jul								
23-Jul								
21-Jul								
20-Jul								
19-Jul								
18-Jul								
17-Jul								
16-Jul								
15-Jul								
14-Jul								
13-Jul								
12-Jul								
Total:								

Flight Time (Hours)			
DATE	Travel	Survey	Total
16-Aug	3	0	3
15-Aug	0	6	6
14-Aug	0	6.8	6.8
13-Aug	0	7.8	7.8
12-Aug	0	6.9	6.9
11-Aug	0	7.1	7.1
10-Aug	0	6.2	6.2
9-Aug	0	6	6
8-Aug	3	0	3
28-Jul	2	5	7
27-Jul	0	5.4	5.4
26-Jul	0	4	4
24-Jul	0	9.6	9.6
23-Jul	0	8.1	8.1
21-Jul	0	3	3
20-Jul	0	5.1	5.1
19-Jul	0	6.7	6.7
18-Jul	0	9.7	9.7
17-Jul	0	9.3	9.3
16-Jul	0	9.4	9.4
15-Jul	0	9	9
14-Jul	0	7.8	7.8
13-Jul	0	0.5	0.5
12-Jul	0	2.5	2.5
11-Jul	2	0	2
Total:	10	141.9	151.9

APPENDIX D
LOGBOOK

(b) (7)(A)































